



SEQUENCE LISTING

<110> Ow, David W.  
Calendar, Richard  
Thomason, Lynn  
The Regents of the University of California  
United States Department of Agriculture  
Agricultural Research Service  
Plant Gene Expression Center

<120> DNA Recombination in Eukaryotic Cells by the  
Bacteriophage phiC31 Recombination System

<130> 02307B-099030US

<140> US 10/721,980  
<141> 2003-11-24

<150> US 60/145,469  
<151> 1999-07-23

<150> US 09/620,800  
<151> 2000-07-21

<160> 8

<170> PatentIn Ver. 2.1

<210> 1  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:ura4 primer

<400> 1  
gtcaaaaaagt ttcgtcaata tcac

24

<210> 2  
<211> 102  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:90 bp of the  
attB sequence contained in pFY12 flanked by  
HindIII and KpnI sites

<400> 2  
aagcttgacg gtctcgaagc cgcgggtgcgg gtgccaggc gtgcccttgg gctccccggg 60  
cgcgtactcc acctcaccca tctggtccat catgatggta cc 102

<210> 3  
<211> 63  
<212> DNA  
<213> Artificial Sequence

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<220>
<223> Description of Artificial Sequence:50 bp of the
      attB sequence contained in pFY14 flanked by
      HindIII and KpnI sites

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aagcttgcgg gtgccaggc gtgcccttgg gctccccggg cgcgtactcc acctcatggt 60
acc                                         63

<210> 4
<211> 44
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:30 bp of the
      attB sequence contained in pFY15 flanked by
      HindIII and KpnI sites

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aagcttccag ggcgtgcctt tgggctcccc gggcgcatgg tacc                         44

<210> 5
<211> 102
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:90 bp of the
      attP sequence contained in pFY17 flanked by SacI
      and BamHI sites

<400> 5
gagctcgaag cggtttcgg gagtagtgcc ccaactgggg taaccttga gttctctcag 60
ttggggcgt agggtcgcgg acatgacaca aggggtggat cc                         102

<210> 6
<211> 62
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:50 bp of the
      attP sequence contained in pFY19 flanked by SacI
      and BamHI sites

<400> 6
gagctctgcc ccaactgggg taaccttga gttctctcag ttggggcgt agggtcggat 60
cc                                         62

<210> 7
<211> 42
<212> DNA
<213> Artificial Sequence

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<220>  
<223> Description of Artificial Sequence:32 bp of the  
attp sequence contained in pFY20 flanked by SacI  
and BamHI sites

<400> 7  
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42

<210> 8  
<211> 89  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:synthetic  
oligonucleotide containing a Kozack sequence and  
the N-terminal amino acid coding sequences of the  
integrase gene

<400> 8  
ggccccgcca cgatgacaca aggggttgtg accggggtgg acacgtacgc gggtgcttac 60  
gaccgtcagt cgcgcgagcg cgagaattc 89